

dodson[®]

INSTALLATION INSTRUCTIONS

DL800 BOLT KIT

DMS-00-0014 REV 002

14 SEPTEMBER 2023

**PREPARED BY: JAN PISL
DATE: 13JUL2023**

**RELEASED BY: 
DATE: 14SEP2023**

REVISION UPDATE NOTES:

The following table indicates the changes we have made in either the disassembly or assembly of the product you have received. All changes are indicated by a revision bar in the margin.

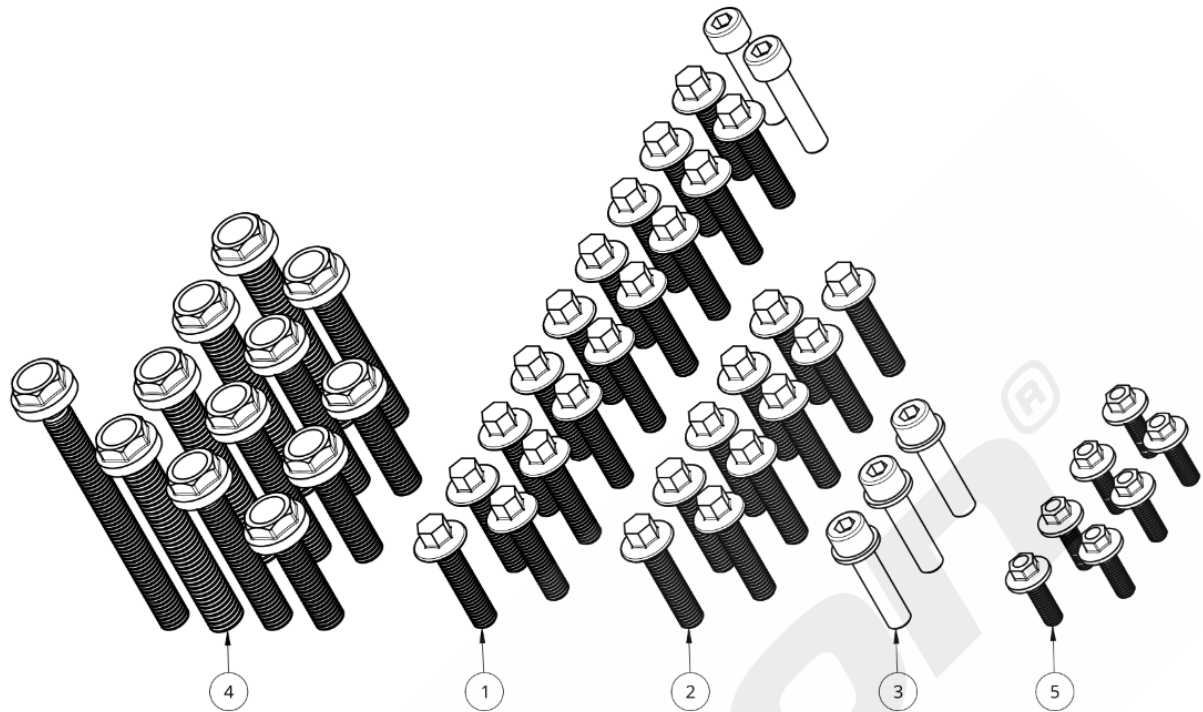
If you have any questions email us at technical@dodsonmotorsport.com

| Revision | Date | Description |
|-----------------|-------------|---|
| REV.002 | 14SEP2023 | <ul style="list-style-type: none">- Updated contents image and list.- Updated torque specifications.- Reordered the instructions and added a photo to Step 5 for clarity. |
| REV.001 | 11NOV2022 | <ul style="list-style-type: none">- Original Issue |

IMPORTANT NOTE:

For all titanium bolts, apply an anti-seize compound to prevent the bolt from fusing to the aluminium housings and aid in tightening.

DL800 BOLT KIT CONTENTS (DMS-7199)



| Item Number | Part Name | DMS Code | Qty |
|-------------|------------------------------------|----------|-----|
| 1 | Mid Plate to Main Housing Bolt Kit | DMS-7250 | 1 |
| 2 | Mid Plate to Rear Cover Bolt Kit | DMS-7251 | 1 |
| 3 | Long Half Shaft Housing Bolt Kit | DMS-7252 | 1 |
| 4 | Transmission to Engine Bolt Kit | DMS-7253 | 1 |
| 5 | Clutch Cover Bolt Kit | DMS-7254 | 1 |

DL800 BOLT KIT INSTALLATION INSTRUCTIONS

READ FIRST

Some OEM bolts need to be reused.

The Dodson DL800 Bolt kit does not include replacement bolts for the QTY 8 12.9 grade steel bolts on the differential side of the transmission (shown in the image below). These bolts are high strength due to the reaction and loading forces experienced from the differential.

Unlike the OEM stretch bolts, the structural steel bolts do not need replacement every time the transmission is serviced.

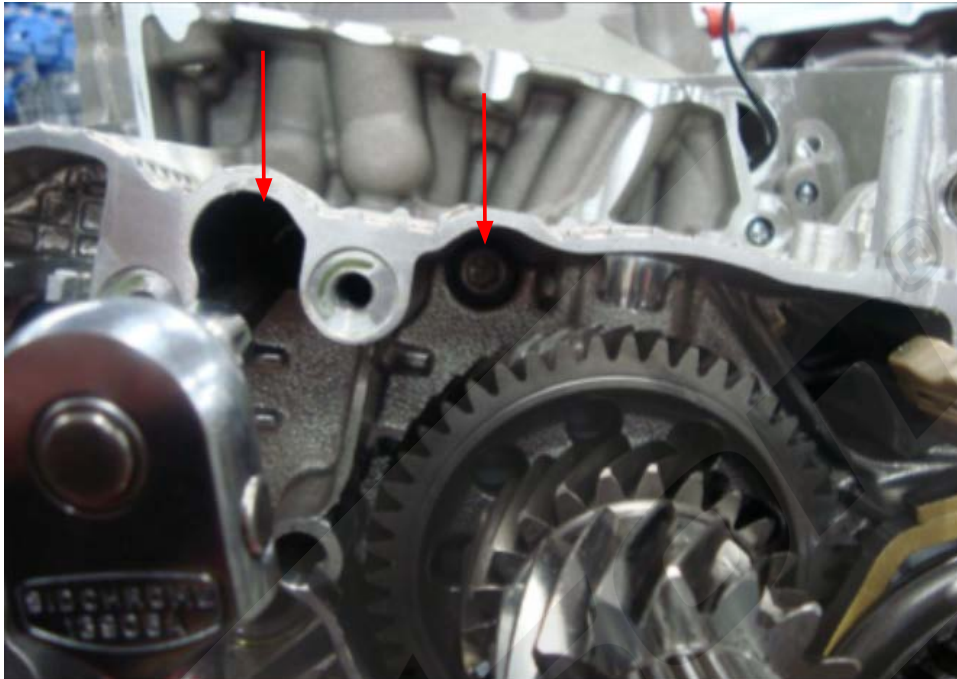


STEP 1

Replace the two internal mid plate bolts shown below.

Refer to **Step 49** of the **Dodson DL800 Gearset instructions** (DMS-00-0004) for details.

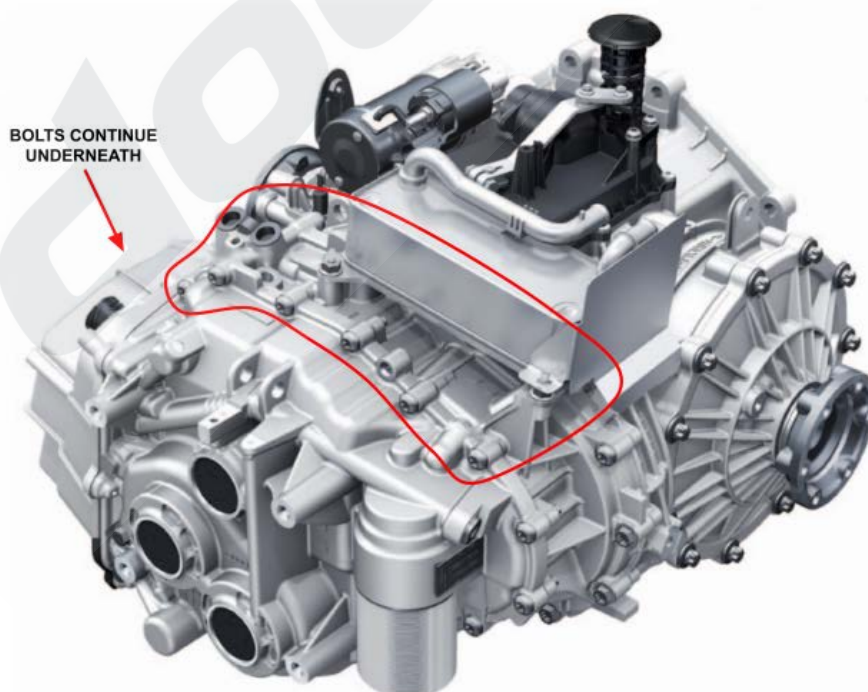
- Item 1: **M8 12.9 grade steel** (without washers) - **Torque to 40Nm**.



STEP 2

Replace all external OEM stretch bolts excluding differential side structural bolts (as shown in the note on **Page 4**) on the midplate and end cover with Dodson bolts as shown below.

- Items 1 & 2: **M8 titanium** - **Torque to 20-24Nm**

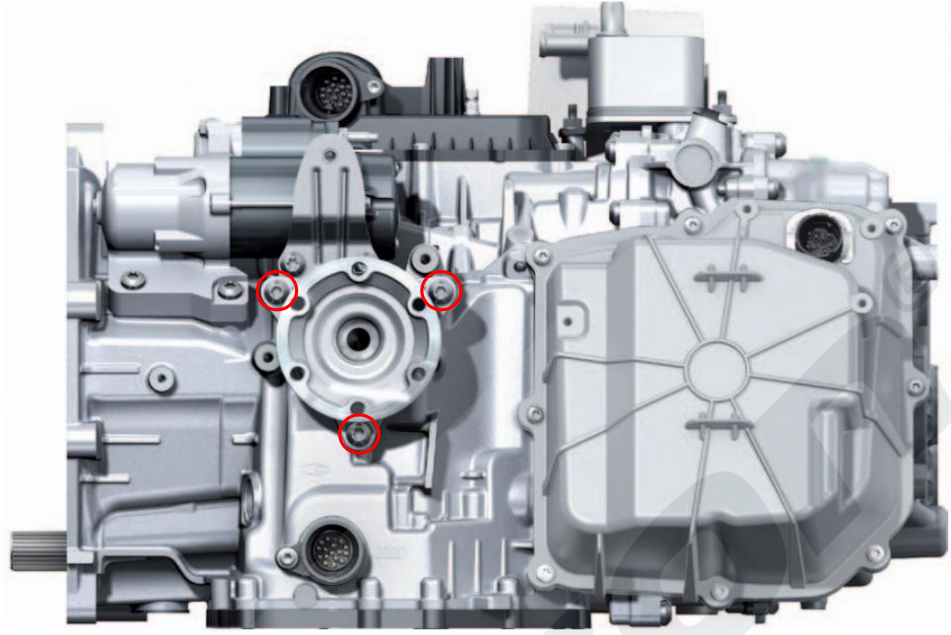


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STEP 3

Replace the three stub shaft support bolts with the Dodson bolts and washers.

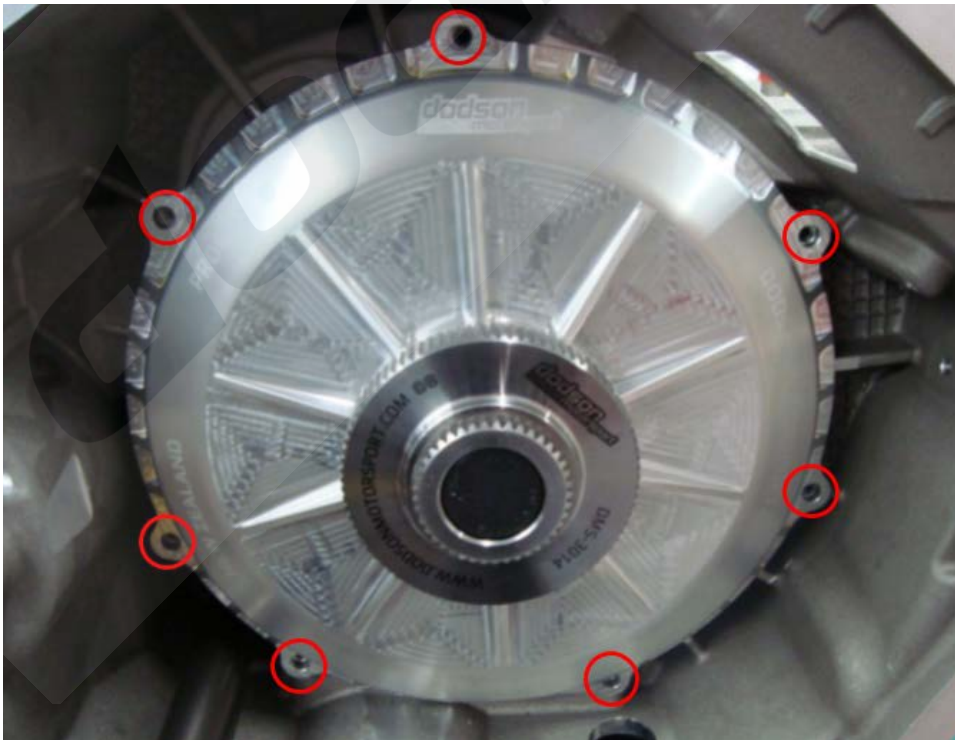
- Item 3: **M8 12.9 grade steel (with washers) - Torque to 40Nm.**



STEP 4

Replace the seven clutch cover bolts with Dodson bolts.

- Item 5: **M6 titanium - Torque to 10Nm.**

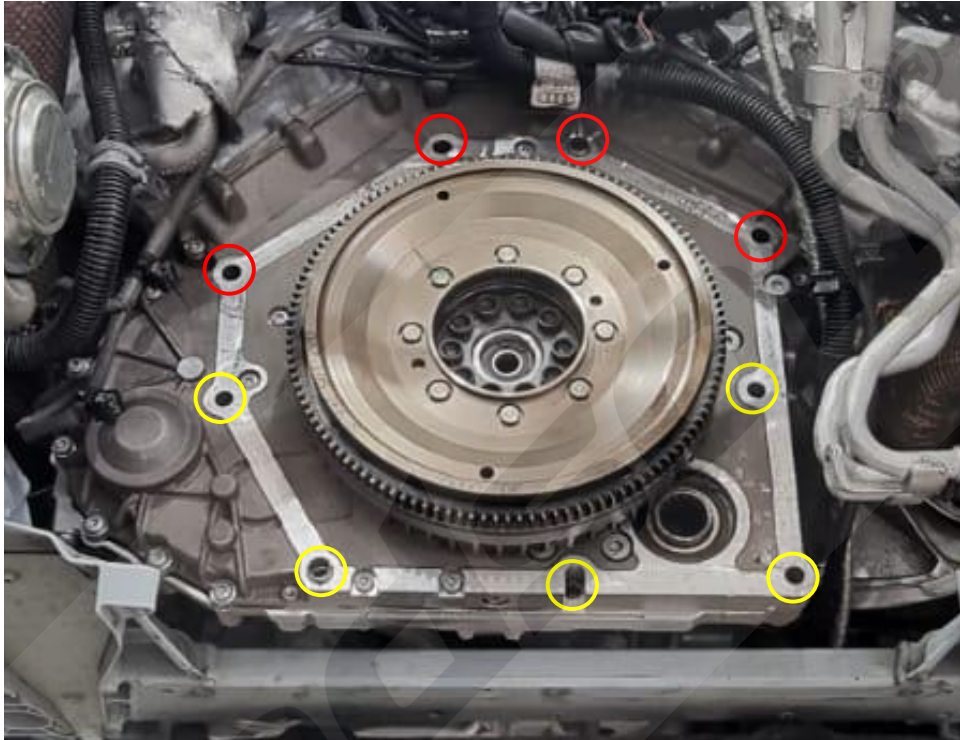


STEP 5

Remount the transmission to the engine using the provided replacement titanium bolts as per image below. **4x M12** bellhousing bolts (red), **5x M10** bellhousing bolts (yellow) and **3x M10** starter motor bolts (not shown).

Note: Please reuse the special locating washer on the bottom middle bellhousing bolt (100mm bolt).

- Item 4: **M12** titanium - Torque to **35 Nm**.
M10 titanium - Torque to **25 Nm**.



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